

MARINA FERENT-PIPAȘ

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EXPERIENCE

Assistant Professor

Babeș-Bolyai University | FSEGA

📅 Oct 2017 – Feb 2021 📍 Cluj-Napoca, Romania

Research and teaching responsibilities in the Department of Statistics-Forecasts-Mathematics:

- Conducted research on industrial relations and access to finance for SMEs.
 - Designed and instructed seminars (on-site and online):
 - Basics of econometrics (teaching language: English)
 - Descriptive statistics (teaching language: English and Romanian)
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Research Trainee: Composite Indicators and Scoreboards - Data Analysis

European Commission | DG. Joint Research Centre | CC COIN

📅 Nov 2016 - Mar 2017 📍 Ispra, Italy

- Automated data extraction from Eurostat as well as data pre-processing thus streamlining the research process and saving at least two working days.
 - Contributed to the development of composite indicators, scoreboards, and forecasting models that facilitated informed public policy and spending decisions.
 - Performed other data analysis, visualization, and written reporting tasks supporting public policy decisions.
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Data Scientist

Orpheus Risk Management Indices - currently, AlphaBlock

📅 Feb 2015 – Oct 2016 📍 Cluj-Napoca, Romania

- Head of Research Team (April-October 2016).
 - Conducted rigorous testing and optimization of the existing algorithms.
 - Utilized advanced analysis techniques to identify optimal holding periods, stock weightings, and buying/selling signals, ultimately achieving maximum returns and minimizing investment risks.
 - Produced clear and concise reports for both the Business Team and clients, effectively communicating complex information.
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NONPROFIT AND CONSULTING WORK

Data Scientist

Evolvion

📅 May 2023 – Present

- Performing initial market research.
 - Standardizing KPIs' collection and reporting from marketing campaigns.
 - Standardizing data analysis, visualization, and reporting.
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Research Fellow

Multicultural Business Institute

📅 May 2017 – Present

- Utilizing statistical analysis techniques to provide support for the Institute's projects.
 - Designed and instructed R programming language courses (English, Online) (since 2020) -> for course description and sample materials, check: marinaferent.github.io/courses.html
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Visiting Scientist

European Commission - DG. Joint Research Centre

📅 April 2019 – June 2019 📍 Ispra, Italy

Regression analysis: Conducted a study on the links between access to finance in the EU and employment statistics under different economic constraints.

Expert

European Commission - DG. Joint Research Centre

📅 August 2018 – October 2018

Regression analysis: Designed and conducted a study on the links between access to finance in the EU and employment statistics.

Visiting Scientist

European Commission - DG. Joint Research Centre

📅 May 2018 – June 2018 📍 Ispra, Italy

Cluster analysis: Designed and conducted the grouping of the EU countries on the basis of 5 key dimensions related to the labor market and the business environment.

EDUCATION

Ph.D. in Cybernetics and Statistics

Babeş-Bolyai University, Romania

📅 October 2017 – Present

– **Thesis:** Quantitative approaches in studying labor market flexicurity [All the reporting work was undertaken in English.]

– **Published research articles:**

- Ferent-Pipas, M. and Lazar, D., 2023. Flexicurity and self-perceived work–life balance in the EU27: A repeated cross-sectional multilevel analysis. *Economic and Industrial Democracy*, Advance online publication.
- Ferent-Pipas, M., 2023. 'Flexibility' and 'security' from rivals to teammates: a short history of flexicurity. *Review of Economic Studies and Research Virgil Madgearu*, 16(2), pp. 15-31.
- Ferent-Pipas, M., 2024. Flexicurity in the EU28 Countries: A Multiyear Composite Indicator Proposal. *Scientific Annals of Economics and Business*, 71(1), pp. 43-74.

– **Attended international conferences:**

- The 3rd Annual Meeting of the European Journal of Management Studies (Emerald Publishing | Lisbon, 2023)
- Workshop on Economics for the Social Good (De Montfort University, Royal Economic Society | Leicester, 2019)
- CESEENet Phd Workshop (CESEENet | Lviv, 2019)
- Rimini Conference in Economics and Finance (RCEA | Rimini, 2018)
- The 13th International Conference on Economic Cybernetic Analysis: Sustainable Growth in the Current Socio-Political Context (The Bucharest University of Economic Studies | Bucharest, 2018)

– **Visiting scholar experiences:** The European Commission, D.G. Joint Research Centre (Ispra, 2018 and 2019)

– **Developped R packages:**

- *Package complndTools*: Tools for computing and validating composite indicators across multiple years [marinaferent.github.io/complndTools/]
- *Package regrExport*: Results and goodness of fit tables for lm, plm, and glmer models [marinaferent.github.io/regrExport/]

M.Sc. in Econometrics and Applied Statistics

Babeş-Bolyai University, Romania

📅 October 2014 – June 2016

– **Main subjects:** Cross-sectional/Time-series/Panel/Spatial Econometrics, Econometrics of Qualitative Dependent Variables, Evolutionary game theory, Scoring Methods, Data Mining, Actuarial/ Exploratory Statistics, Monte Carlo Simulations, Mathematics

– **Statistical software:** R, EViews, Gretl, Weka, SAS, SPSS, STATA, Matlab, Gauss, GeoDa

B.A. in Finance and Banking

Babeş-Bolyai University, Romania

📅 October 2011 – June 2014

– **Main subjects:** [All the subjects were studied in English.] Corporate/Public/International Finance, Financial Markets, Investment and Banking Techniques, Portfolio Management, Financial Analysis, Corporate/Public Institutions Accounting, Mathematics, Game Theory, Descriptive Statistics, Basic Econometrics, Data Base Systems

– **Statistical software:** EViews, Gretl

– **Database systems:** FoxPro

SKILLS

LANGUAGES

Romanian



English



French



Italian



STATISTICAL SOFTWARE

R Programming Language



Gauss



STATA



EViews



SPSS



GeoDa



Weka



OTHER TECHNICAL

LaTeX



R Markdown



SQL

